

AMENDMENTS TO THE CLAIMS

LISTING OF CLAIMS

1. (Currently Amended) A physical computer-readable medium having an executable data structure for managing reproduction duration of a still images picture recorded thereon by a reproducing apparatus, comprising:

a data area storing a first stream file including presentation data being reproduced as one of a browsable slideshow which presents the still images for infinite duration and a time-based slideshow which presents the still images for finite duration and a second stream file including audio data, the presentation data being multiplexed into a transport stream and being divided into a number of still picture units, each the still picture units including at least the one still picture and associated related graphic data, the related presentation data not including audio data, the data area further storing a second stream file including audio data for reproduction with the still images asynchronously the still picture and associated graphic data in the still picture units being reproduced synchronously; and

a navigation area storing at least one playlist file and first and second clip information files separately within the navigation area, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in-point and out-point of the first stream file for reproducing the presentation data and providing first and second duration information for display of the still picture in the still picture units, the at least one sub-playitem indicating an in-point and out-point of the second stream file for reproducing the audio data, the start time of the audio data using the at least one sub-playitem being independent from the still picture units using the at least one playitem the first clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unit of the first stream file, the second clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unit of the second stream file,

wherein the first duration information indicates whether to display the still picture for one of a finite and an infinite period of time, and

the second duration information indicates a length of time to display the still picture when the first duration information indicates to display the still picture for a finite period of time.

2. (Canceled)

3. (Canceled)

4. (Previously Presented) The physical computer-readable medium of claim 1, wherein the presentation data is multiplexed into the transport stream on a still picture unit by still picture unit basis.

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Currently Amended) The physical computer-readable medium of claim 1, wherein each elementary stream of the still picture and associated related graphic data is aligned within the still picture units.

9. (Previously Presented) The physical computer-readable medium of claim 8, wherein each elementary stream is a packetized elementary stream.

10. (Previously Presented) The physical computer-readable medium of claim 9, wherein each still picture unit includes one packet from each packetized elementary stream.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Previously Presented) The physical computer-readable medium of claim 1,
wherein each still picture unit includes only one still picture.

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (Canceled)

29. (Canceled)

30. (Canceled)

31. (Canceled)

32. (Canceled)

33. (Currently Amended) A method of recording a data structure for managing reproduction duration of a at least one still image still picture on a recording medium, comprising:

recording a first stream file including presentation data ~~being reproduced as one of a browsable slideshow which presents the still images for infinite duration and a time based slideshow which presents the still images for finite duration and a second stream file including audio data~~, the presentation data being multiplexed into a transport stream ~~in a data area of the recording medium~~ and being divided into a number of still picture units, ~~each the~~ the still picture units including at least ~~one~~ the still picture and associated ~~related graphic~~ data, the ~~related presentation~~ data not including audio data, the still picture and associated graphic data in the still picture units being reproduced synchronously; and

~~recording a second stream file including audio data for reproduction with the still images asynchronously; and~~

recording at least one playlist file ~~and first and second clip information files separately on the recording medium~~, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in-point and out-point of the first stream file for reproducing the presentation data and providing first and second duration information for display of the still picture in the still picture units, the at least one sub-playitem indicating an in-point and out-point of the second stream file for reproducing the audio data, the start time of the audio data using the at least one sub-playitem being independent from the still picture units using the at least one playitem, the first clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unit of the first stream file, the second clip

~~information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unit of the second stream file,~~

wherein the first duration information indicates whether to display the still picture for one of a finite and an infinite period of time, and

the second duration information indicates a length of time to display the still picture when the first duration information indicates to display the still picture for a finite period of time.

34. (Currently Amended) A method of reproducing a data structure for managing reproduction duration of ~~a~~ ~~at least one still image~~ still picture recorded on a recording medium, comprising:

reproducing a first stream file including presentation data ~~being reproduced as one of a browsable slideshow which presents the still images for infinite duration and a time-based slideshow which present still images for a finite duration, and a second stream file including audio data,~~ the presentation data being multiplexed into a transport stream from a data area of the recording medium and being divided into a number of still picture units, ~~each~~ the still picture units including at least ~~one~~ the still picture and associated ~~related~~ graphic data, the ~~related~~ presentation data not including audio data, the still picture and associated graphic data in the still picture units being reproduced synchronously;

~~reproducing a second stream file including audio data for reproduction with the still images asynchronously; and~~

reproducing at least one playlist file ~~and first and second clip information files from the recording medium,~~ the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in-point and out-point of the first stream file for reproducing the presentation data and providing first and second duration information for display of the still picture in the still picture units, the at least one sub-playitem indicating an in-point and out-point of the second stream file for reproducing the ~~audio~~ audio data, the start time of the audio data using the at least one sub-playitem being independent from the still picture units using the at least one playitem ~~the first clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a~~

~~presentation time and a unite of the first stream file, the second clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unite of the second stream file,~~

wherein the first duration information indicates whether to display the still picture for one of a finite and an infinite period of time; and

the second duration information indicates a length of time to display the still picture when the first duration information indicates to display the still picture for a finite period of time.

35. (Currently Amended) An apparatus for recording a data structure for managing reproduction duration of ~~a at least one still image still picture~~ on a recording medium, comprising:

a pick up configured to record data on the recording medium;

a controller configured to control the pick up to record a first stream file including presentation data ~~being reproduced as a browsable slideshow which presents the still images for one of an infinite duration and a time-based slideshow which presents the still images for finite duration, and a second stream file including audio data,~~ the presentation data being multiplexed into a transport stream and being divided into a number of still picture units, ~~each the~~ the still picture units including at least ~~one~~ the still picture and associated ~~related~~ graphic data, the ~~related~~ presentation data not including audio data, the still picture and associated graphic data in the still picture units being reproduced synchronously ~~wherein the controller is further configured to control the pick up to record a second stream file including audio data for reproduction with the still images asynchronously;~~ and

the controller configured to control the pick up to record at least one playlist file and ~~first and second clip information files from the recording medium, the at least one~~ playlist file including at least one playitem and at least one sub-playitem, the ~~at least one~~ playitem indicating an in-point and out-point of the first stream file for reproducing the presentation data and providing first and second duration information for display of the still picture in the still picture units, the ~~at least one~~ sub-playitem indicating an in-point and out-point of the second stream file for reproducing the audio data, the start time of the audio data using the at least one sub-playitem being

~~independent from the still picture units using the at least one playitem, the first clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unit of the first stream file, the second clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unit of the second stream file,~~

wherein the first duration information indicates whether to display the still picture for one of a finite and an infinite period of time, and

the second duration information indicates a length of time to display the still picture when the first duration information indicates to display the still picture for a finite period of time.

36. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction duration of ~~a~~ ~~at least one still image~~ still picture recorded on a recording medium, comprising:

a pick up configured to reproduce data recorded on the recording medium;

a controller configured to control the pick up to reproduce a first stream file including presentation data ~~being reproduced as one of a browsable slide show which presents the still images for infinite duration and a time based slideshow which presents the still images for finite duration, and a second stream file including audio data~~, the presentation data being multiplexed into a transport stream and being divided into a number of still picture units, ~~each~~ the still picture units including at least ~~one~~ the still picture and associated related graphic data, the related presentation data not including audio data, the still picture and associated graphic data in the still picture units being reproduced synchronously ~~the controller further configured to reproduce a second stream file including audio data for reproduction with the still images asynchronously~~; and

the controller configured to control the pick up to reproduce at least one playlist file ~~and first and second clip information files from the recording medium~~, the at least one playlist file including at least one playitem and at least one sub-playitem, the at least one playitem indicating an in-point and out-point of the first stream file for reproducing the presentation data and providing first and second duration information for display of the still picture in the still picture units, the at least one sub-playitem

indicating an in-point and out-point of the second stream file for reproducing the audio data, the start time of the audio data using the at least one sub-playitem being independent from the still picture units using the at least one playitem~~the first clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unit of the first stream file, the second clip information file including at least one entry point map, the entry point map including at least one entry point providing a link between a presentation time and a unit of the second stream file,~~

wherein the first duration information indicates whether to display the still picture for one of a finite and an infinite period of time, and

the second duration information indicates a length of time to display the still picture when the first duration information indicates to display the still picture for a finite period of time.

37. (Canceled)

38. (Canceled)

39. (Canceled)

40. (Previously Presented) The method of claim 33, wherein each still picture unit includes only one still picture.

41. (Canceled)

42. (Canceled)

43. (Canceled)

44. (Previously Presented) The method of claim 34, wherein each still picture unit includes only one still picture.

45. (Canceled)

46. (Canceled)

47. (Canceled)

48. (Canceled)

49. (Previously Presented) The apparatus of claim 35, wherein each still picture unit includes only one still picture.

50. (Canceled)

51. (Canceled)

52. (Canceled)

53. (Canceled)

54. (Previously Presented) The apparatus of claim 36, wherein each still picture unit includes only one still picture.